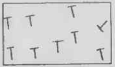


EXPLANATION

Quartz-perthite pegmatite  
Fracture filling



Plagioclase-quartz-perthite pegmatite  
Where symbols are oriented parallel to each other, they indicate the trend of layers consisting of fine-grained pegmatite rich in plagioclase and quartz and coarser grained pegmatite rich in perthite; line rock may be present in finer grained layers. Un-oriented symbols indicate more nearly homogeneous pegmatite



Plagioclase-quartz line rock



Quartz-muscovite-plagioclase border zone  
Shown only on dip slopes on map



Amphibolite



Quartz-biotite schist  
Mayo formation

Limit of outcrop

Contact, showing dip  
Dashed where approximately located

Vertical contact

Contact between pegmatite units  
Only sharply defined contacts shown

Strike and dip of beds

Strike and dip of foliation

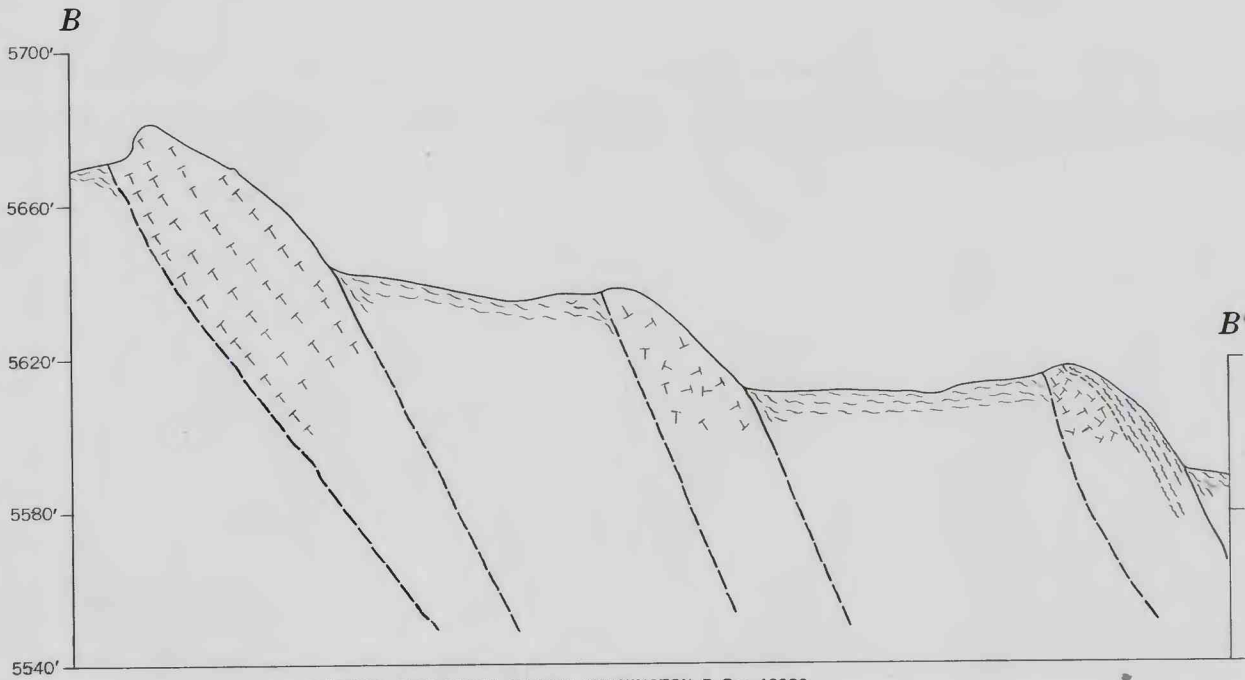
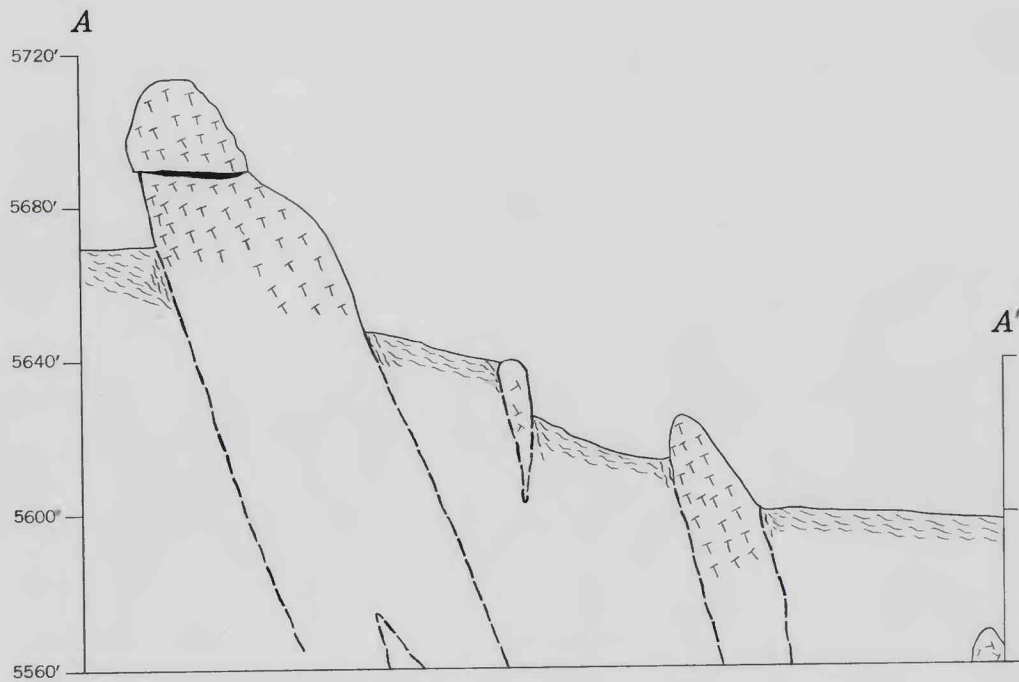
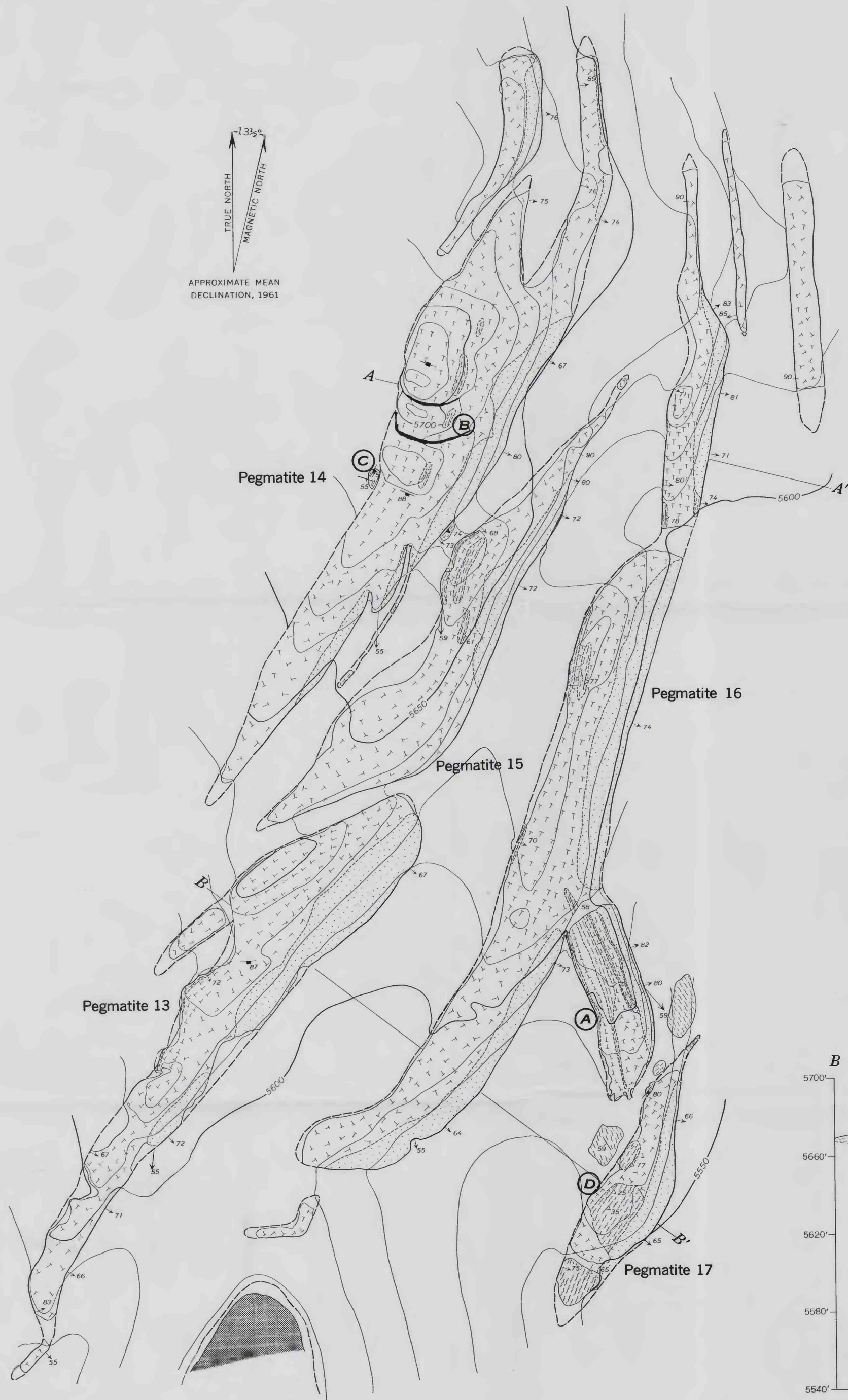
Strike and dip of layering

Strike and dip of joints

Strike of vertical joints

Plunge of rolls

Locality referred to in text



INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.— 10282

Mapped by J. A. Redden and R. E. Roadifer,  
November 1953

GEOLOGIC MAP AND SECTIONS OF LAYERED AND HOMOGENEOUS PEGMATITES  
IN THE FOURMILE QUADRANGLE, CUSTER COUNTY, SOUTH DAKOTA

50 0 50 100 150 200 FEET  
CONTOUR INTERVAL 10 FEET  
DATUM IS APPROXIMATE MEAN SEA LEVEL